

CLAIMS

1. An air bag formed of two woven fabrics interwoven with each other to be a bag-shaped body, each composed of polyamide type ¹² fiber yarns containing copper compounds at 30 to 200 ppm estimated in term of copper, characterized in that the fabric is structured so that a product of a total fineness of warp or weft of the fabric multiplied by a weave density of the fabric is not more than 16000 decitex·ends/2.54 cm, a load at a 15% tensile elongation is in a range from 3 to 35N·%/2.54 cm, and a tensile work at break is in a range from 7000 to 30000N·%/2.54 cm.
2. An air bag formed of a woven fabric composed of polyamide type fiber yarns containing copper compounds at 30 to 200 ppm estimated in term of copper, ^{wherein} characterized ¹¹² in that the fabric has a product of a total fineness of warp or weft of the fabric multiplied by a weave density of the fabric of less than 16000 decitex·ends/2.54 cm, a load at a 15% elongation in a range from 3 to 35N·%/2.54 cm, and a tensile work at break in a range from 7000 to 30000N·%/2.54 cm, and the fabric is sewn or bonded to have a three-dimensional contour.
3. An air bag as defined by claim 1 or 2, characterized in that the product of total fineness of weft multiplied by the weave density of weft is larger than the product of total fineness of warp multiplied by the weave density of warp.
4. An air bag as defined by claim 1 or 2, characterized in that a birefringence of the weft forming the woven fabric is larger than that of the warp.
5. An air bag as defined by claim 1 or 2, characterized in that the weave is selected from a plain weave, a rip-stop weave and a mat weave.
6. ~~An air bag~~ as defined by claim 1, characterized in that the bag-shaped air bag is of a circular shape as seen in plan view.
7. An air bag as defined by any one of claims 1 to

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6, characterized in that the yarn forming the woven fabric has a single filament fineness in a range from 1.0 to 3.3 decitex, a total fineness in a range from 66 to 167 decitex, a tensile strength in a range from 4.85 to 7.5 cN/decitex, and a tensile work at break in a range from 13.2 to 26.5 cN·cm/decitex.

8. An air bag as defined by any one of claims 1 to 7, characterized in that the air bag is selected from those for a driver's seat, for a passenger's seat and for side impact protection.

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